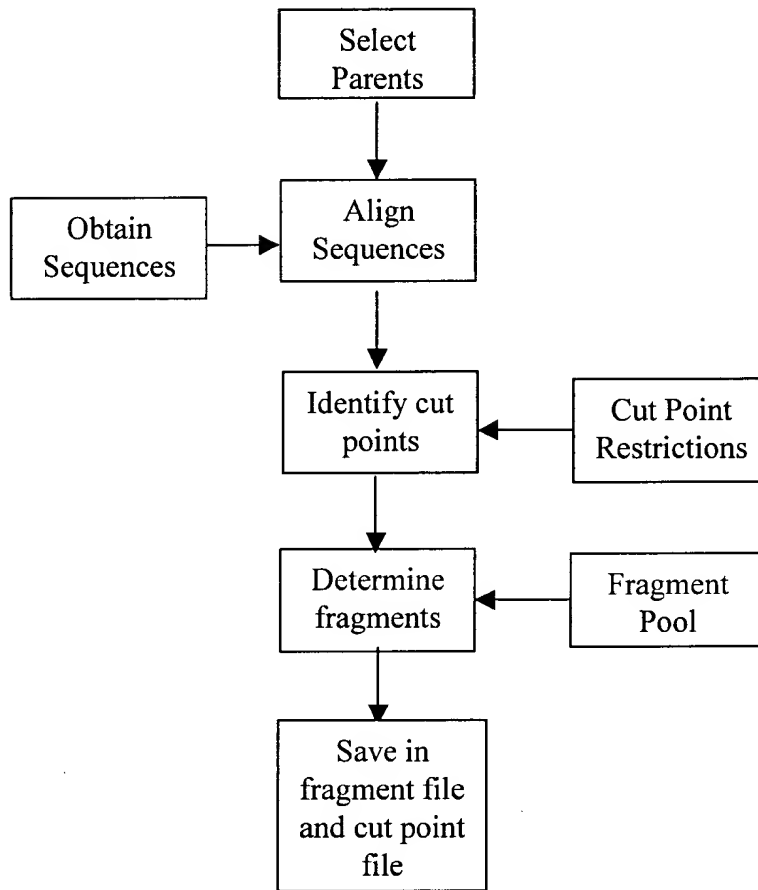


## Determining Possible Fragments Based On Experimental Restrictions



**FIG. 1A**

## Determining the Schema Disruption Profile for a Structure

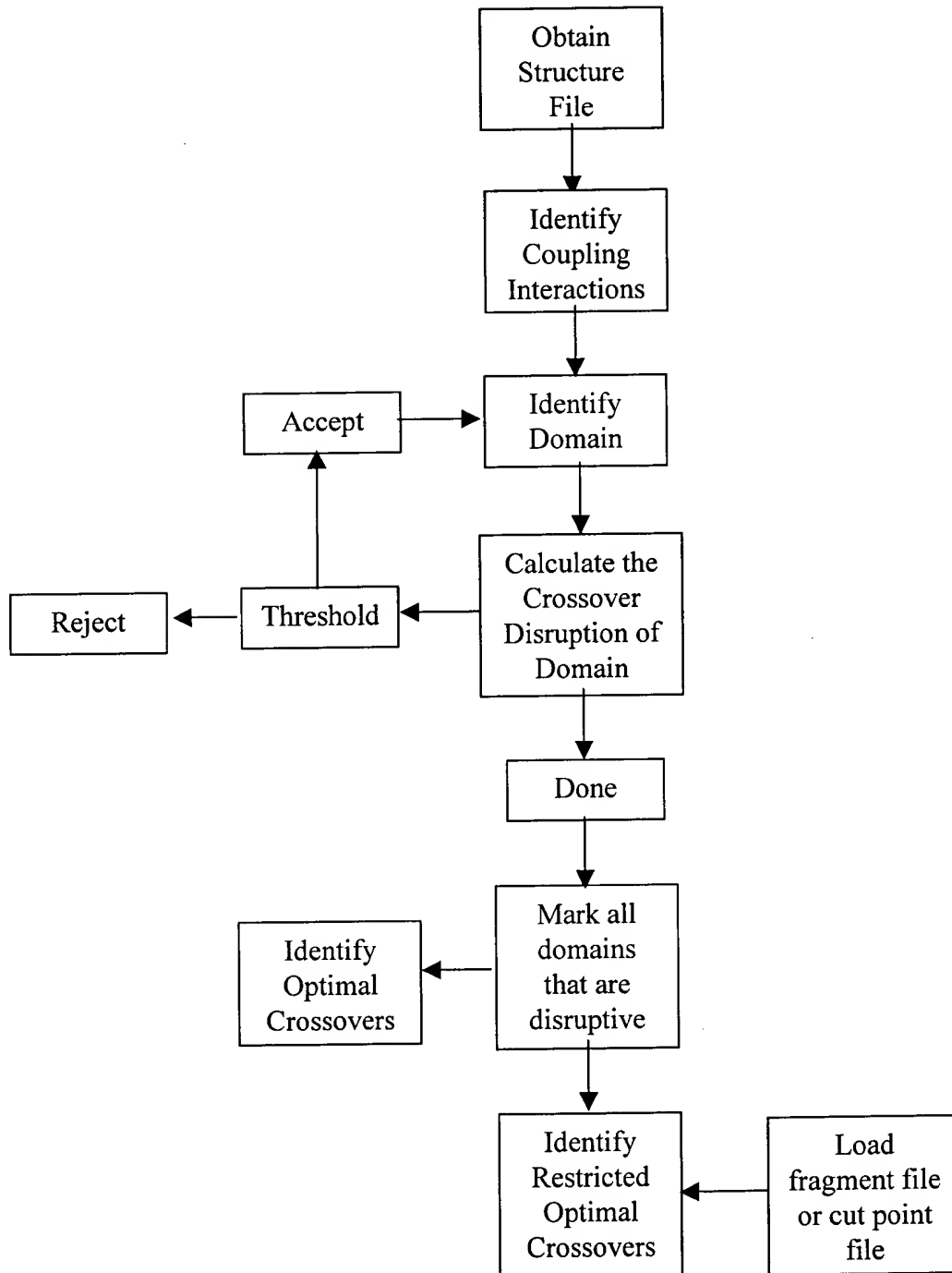
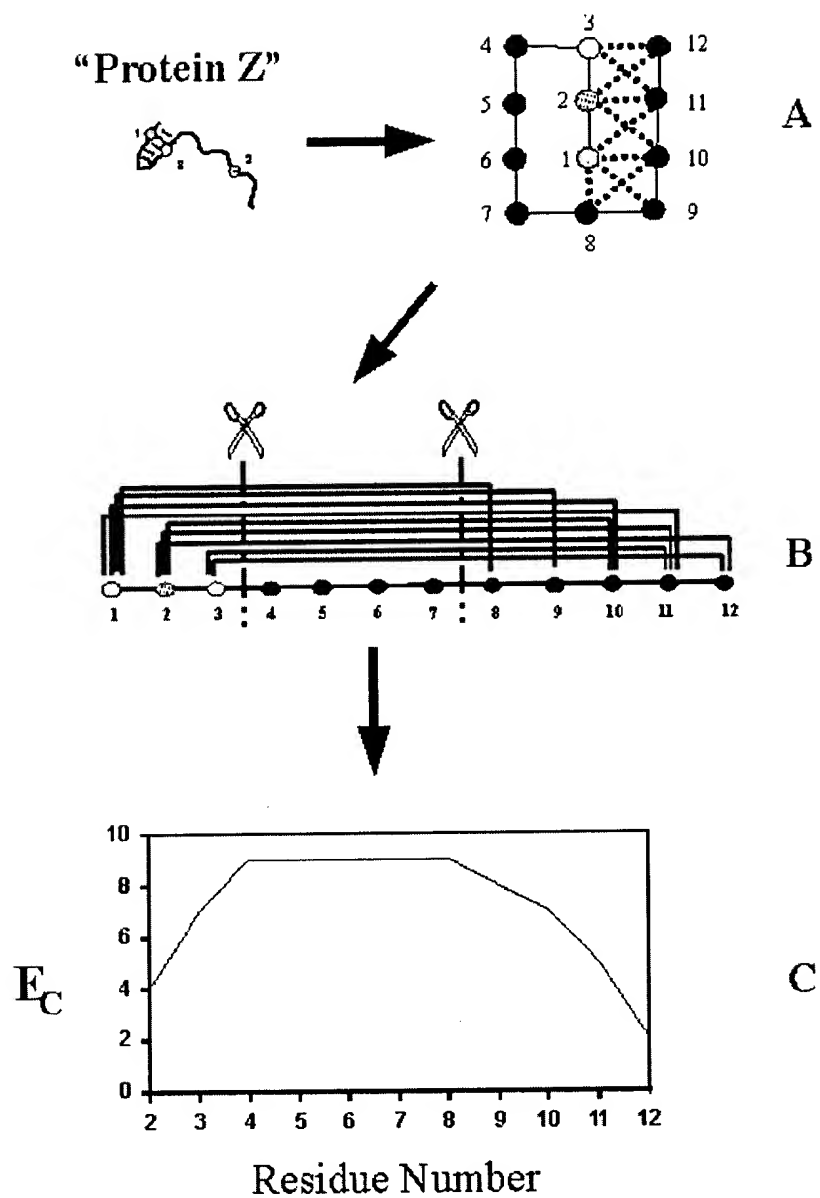


FIG. 1B

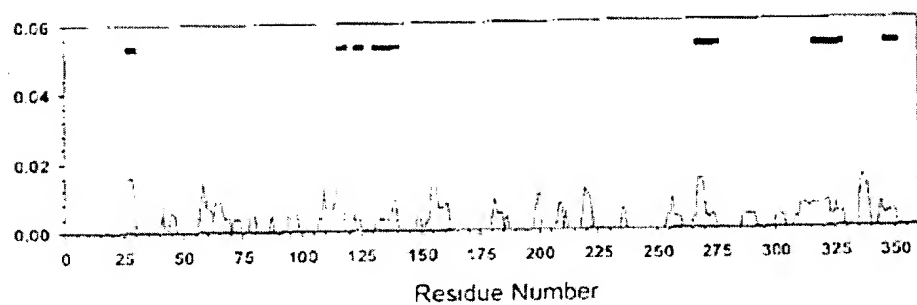


**FIG. 2**

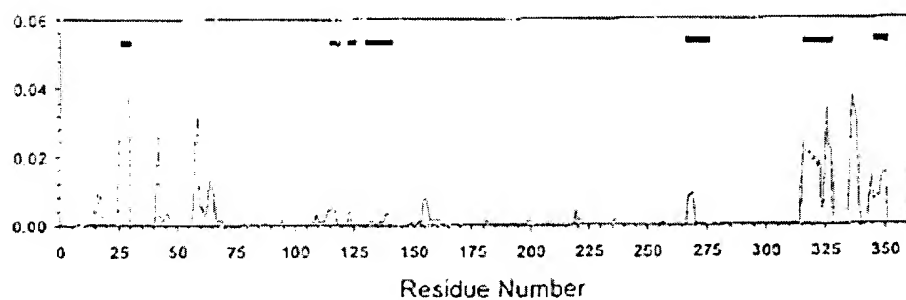


[illegible]

**FIG. 4B**



**FIG. 4C**



**FIG. 4D**

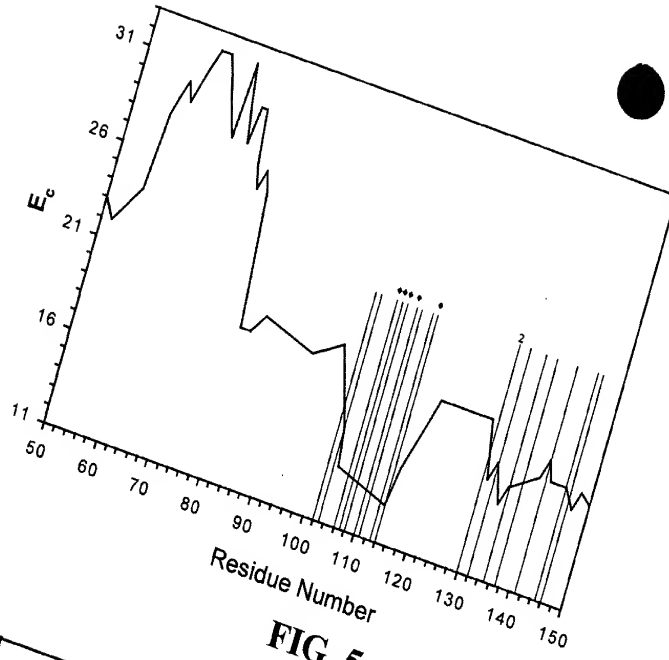


FIG. 5

10E250-594E9660

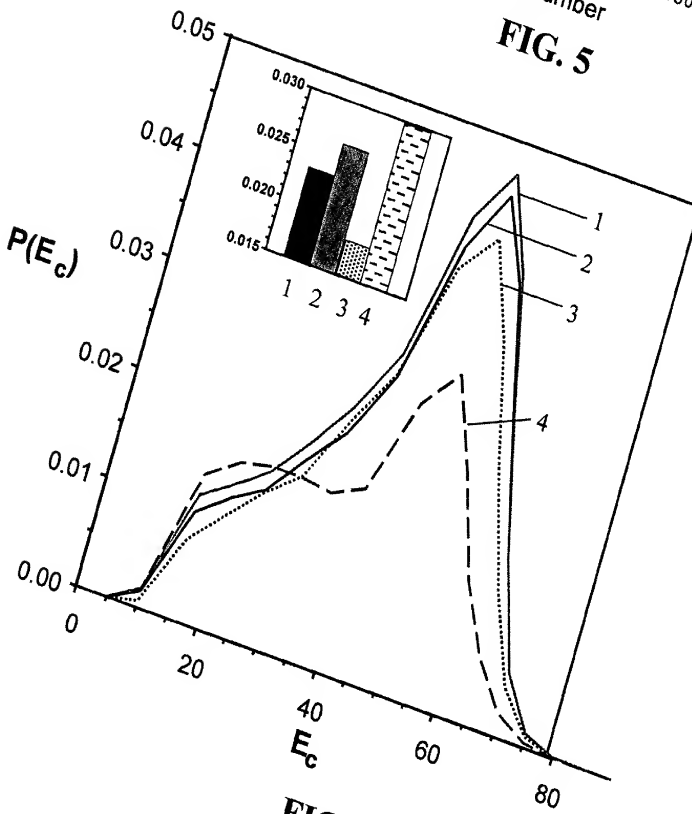
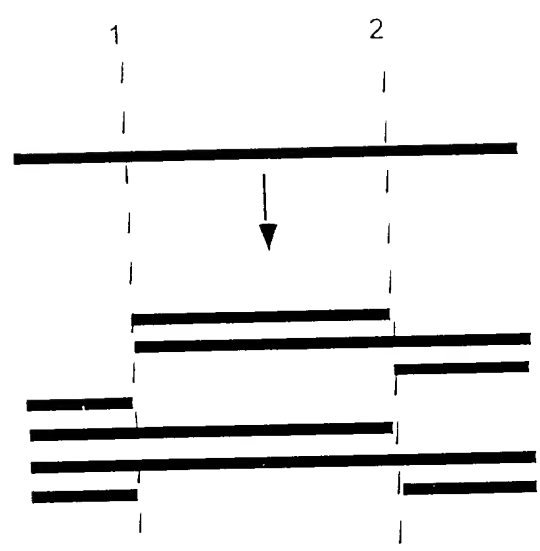


FIG. 6



09863765-100101

(A)



(B)

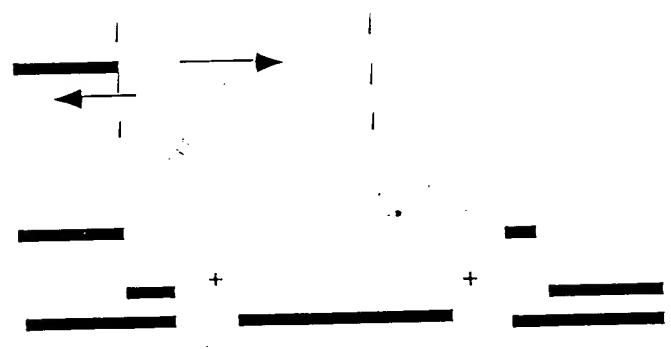


FIG. 7



09853765-100101

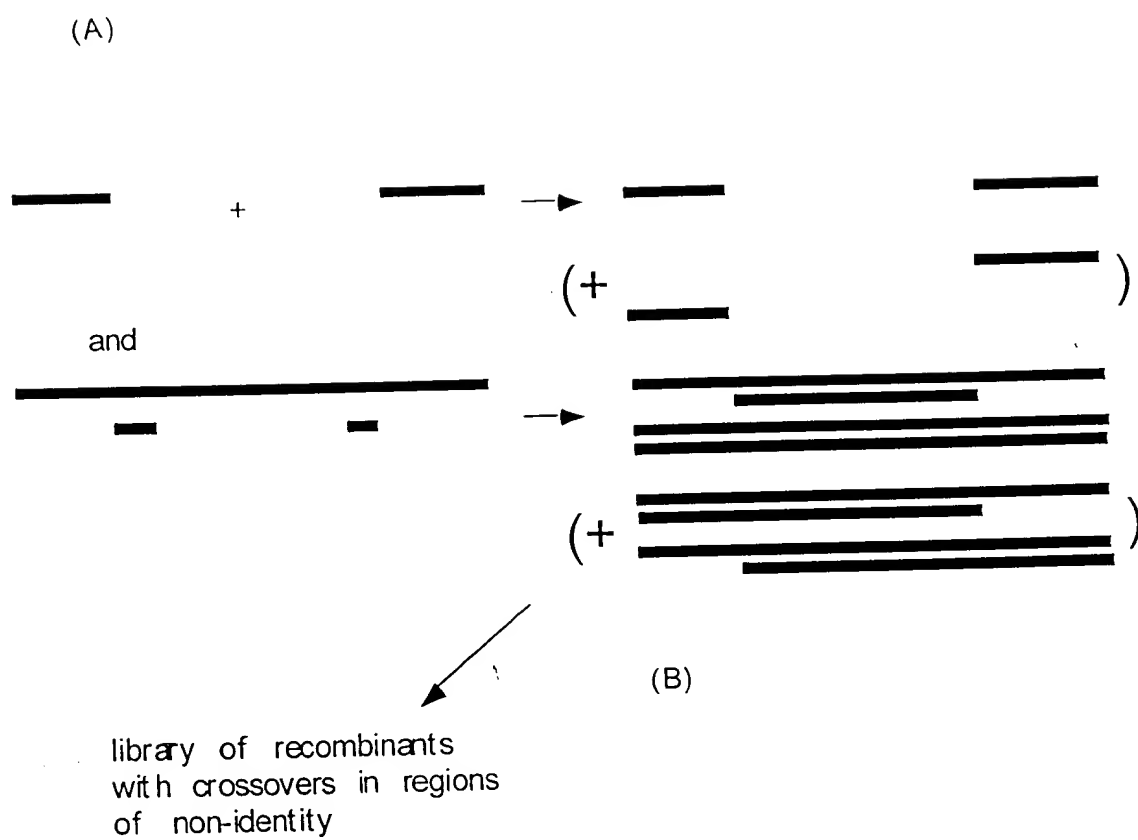
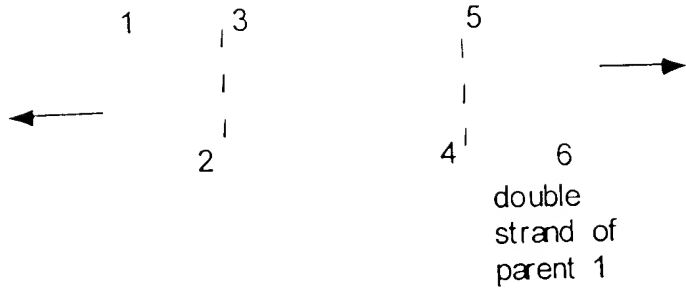


FIG. 8



(A)

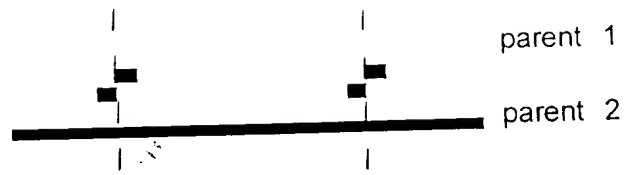


(B)

Reassemble fragments in a pool, by PCR with 1+ 6

FIG. 9

(A)



(B)



FIG. 10

09663765-100101

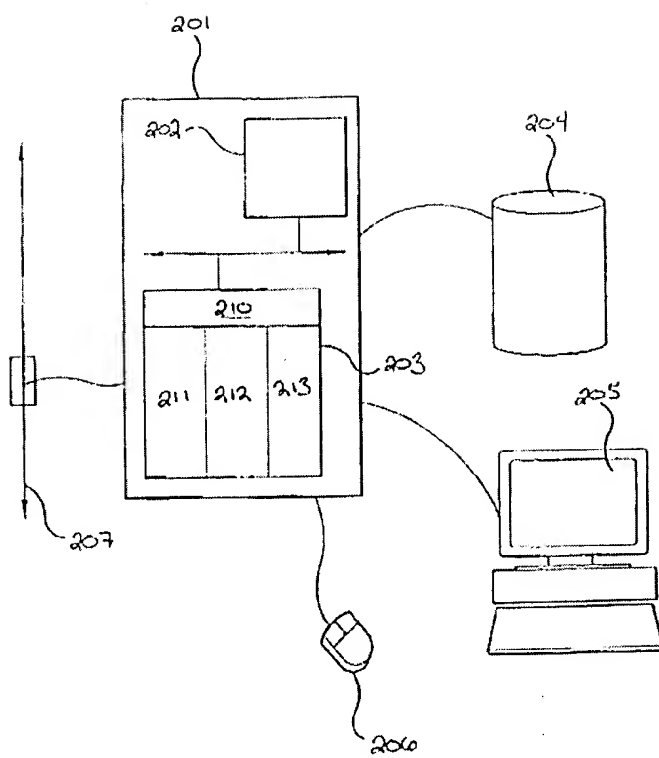
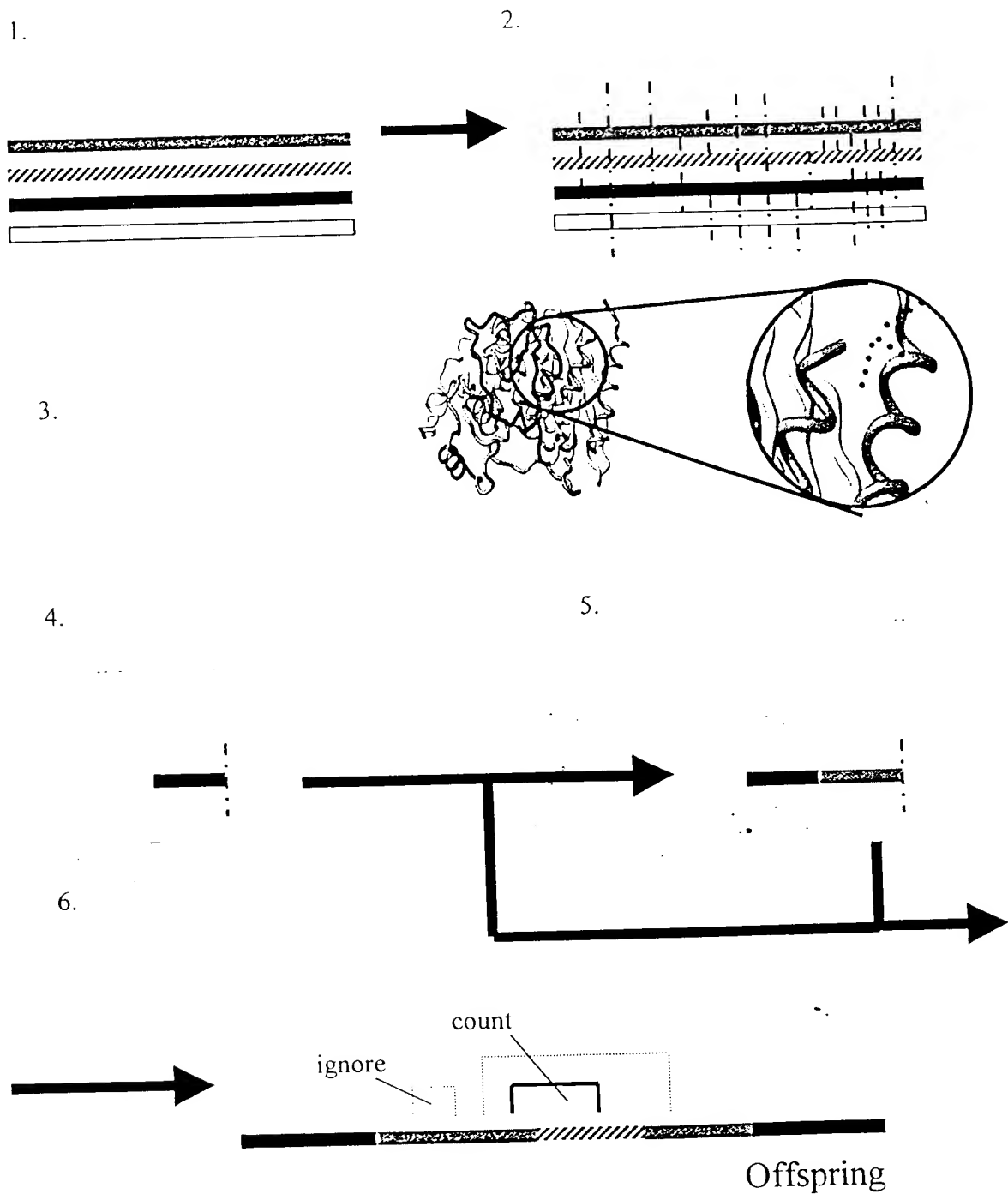
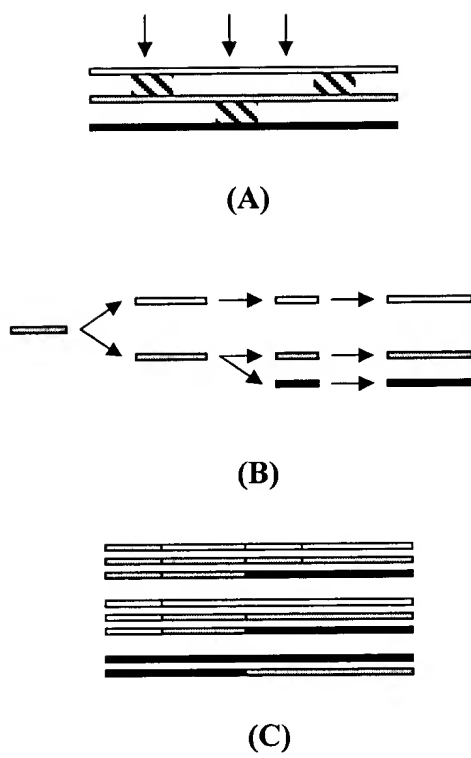


FIG. 11

# Récombinant search algorithm





**FIG. 13**

DIRECTED EVOLUTION ALGORITHM

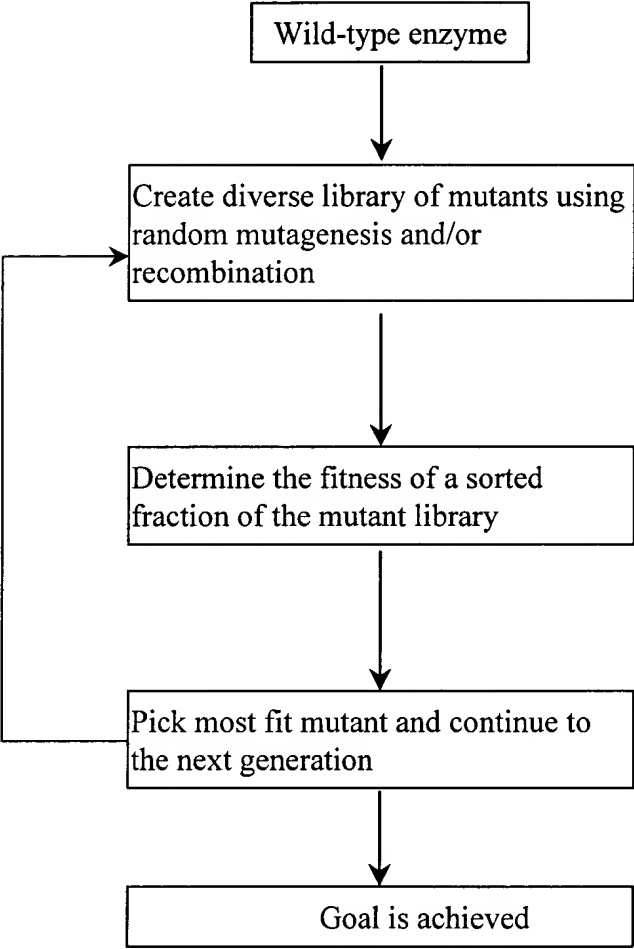


FIG. 14

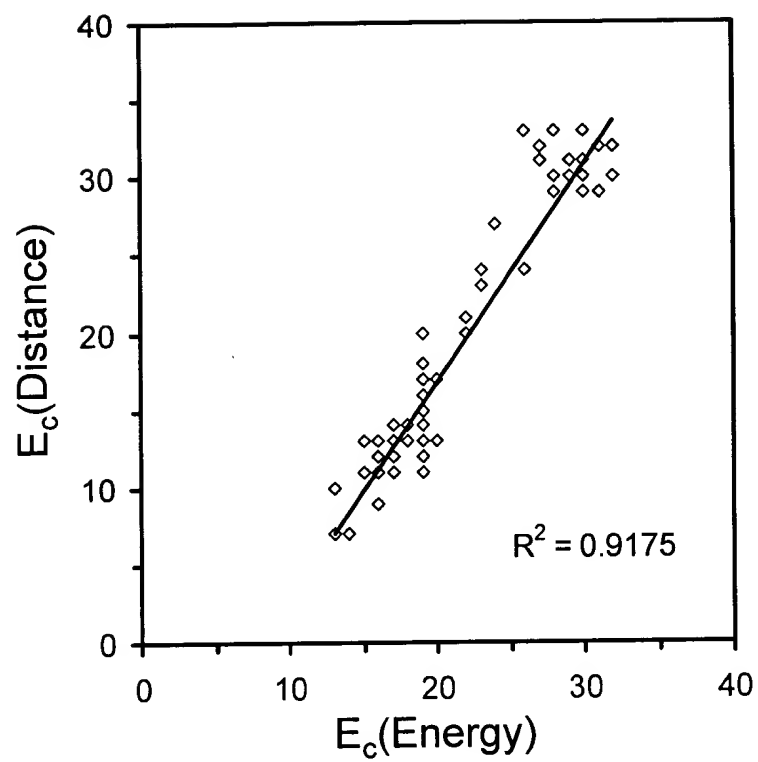


FIG. 15

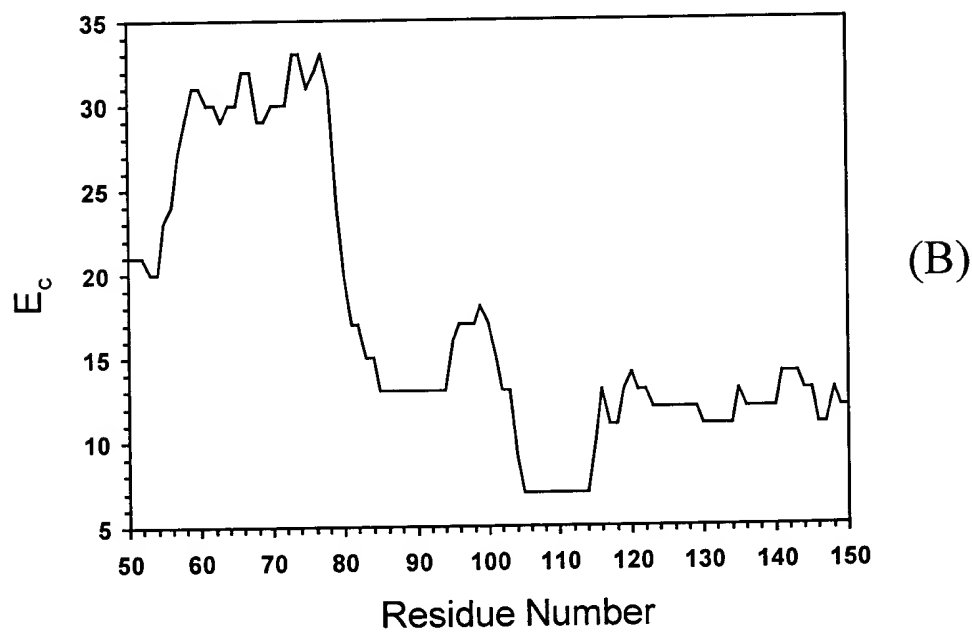
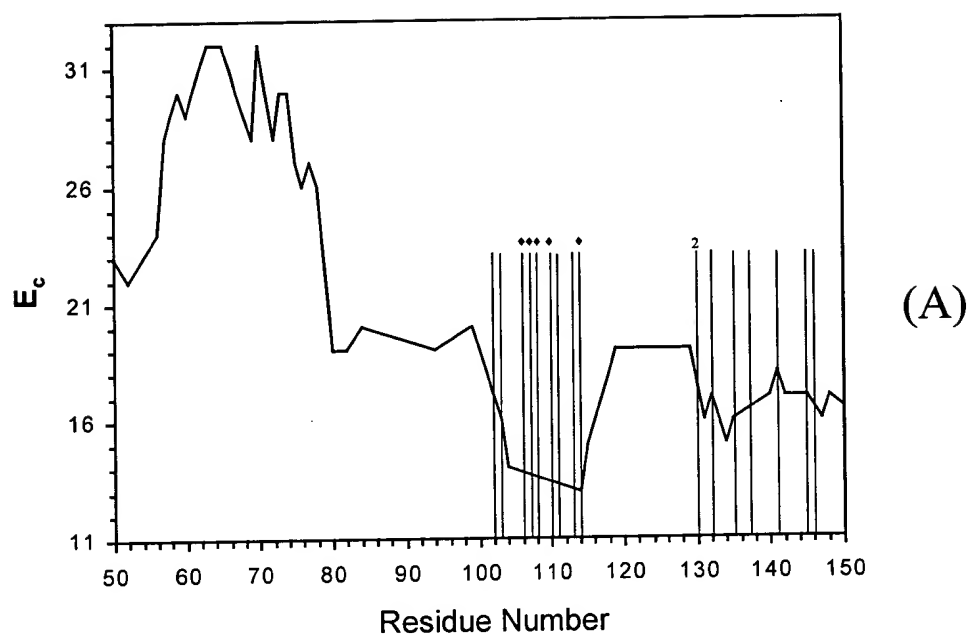


FIG. 16





(A)

Experimental Data:

	wt	wt-insert	1	2
Tm(dC)	52	55.2	n.d.	54.3
Tm(dC)	49.5	53.3	44.5	52.5
t1/2	12.1	2586	-	87.5
t1/2	53	138	4	308

(B)

Calculations:

	All schema		Fragments		Z-score	
	av	stdev	1	2	1	2
Ec	19.260	4.090	10.770	8.124	-2.076	-2.723
Ec*	0.006	0.002	0.014	0.005	4.838	-0.857

FIG. 17

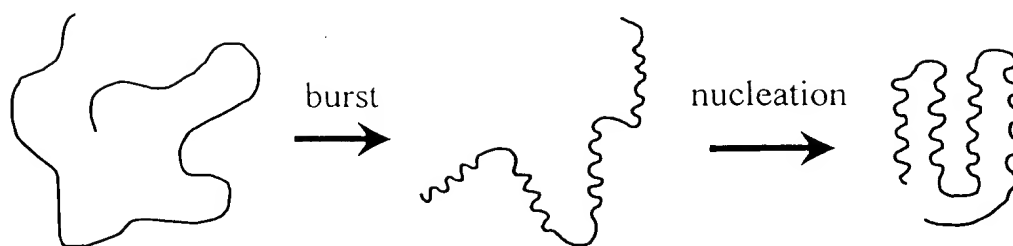


FIG. 18

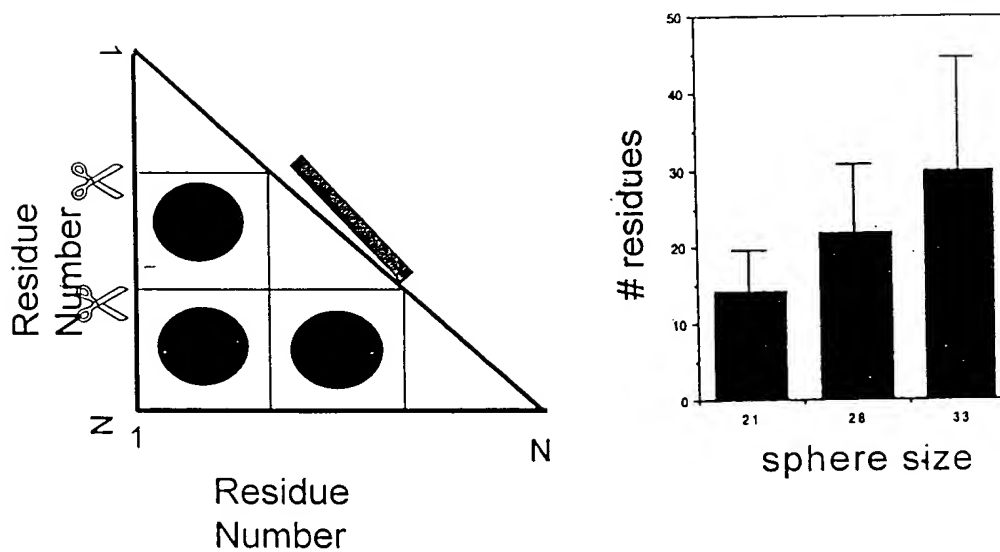


FIG. 19

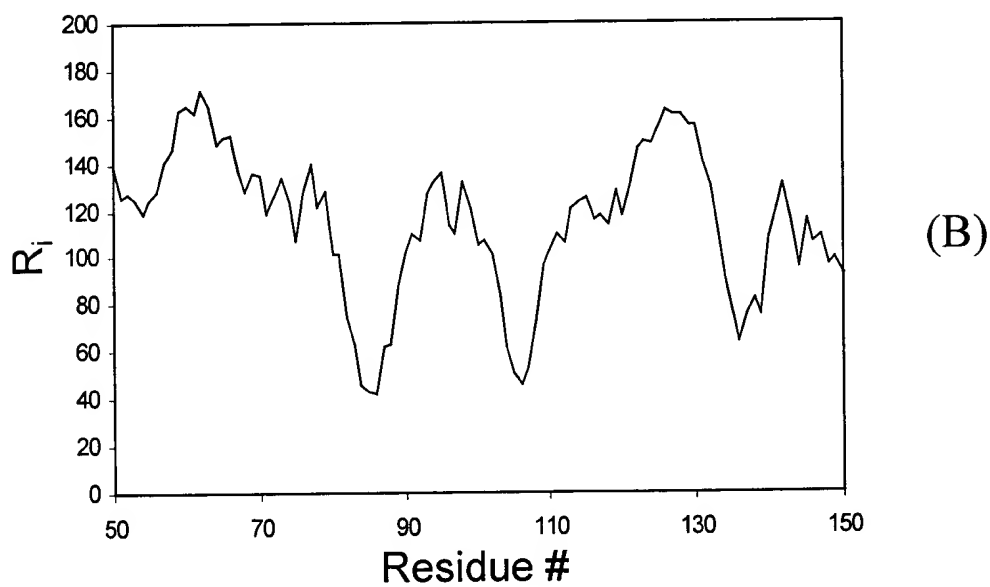
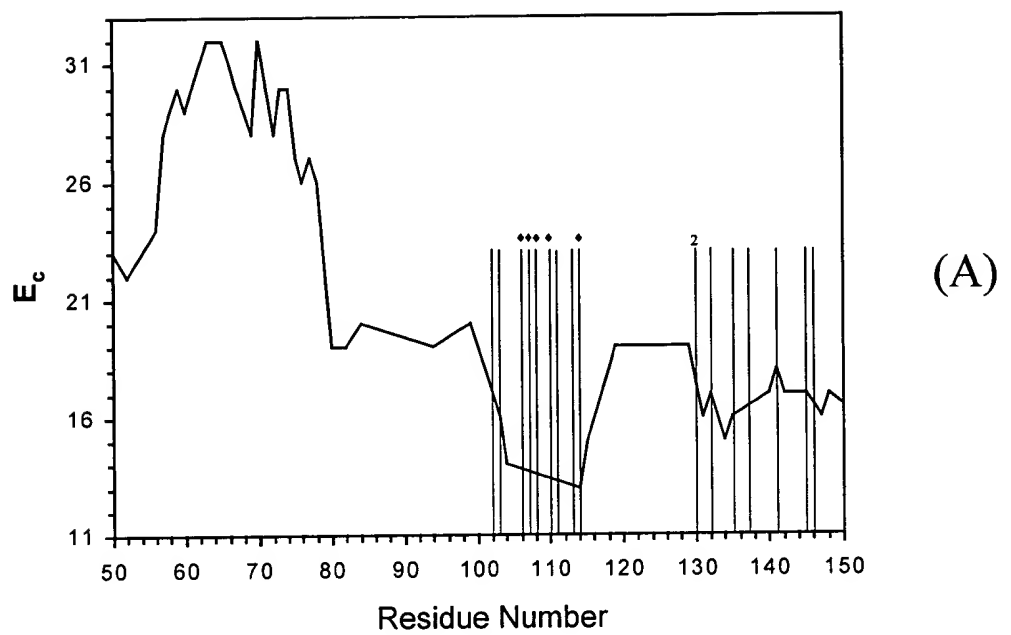


FIG. 20

FOE250" 597E9860

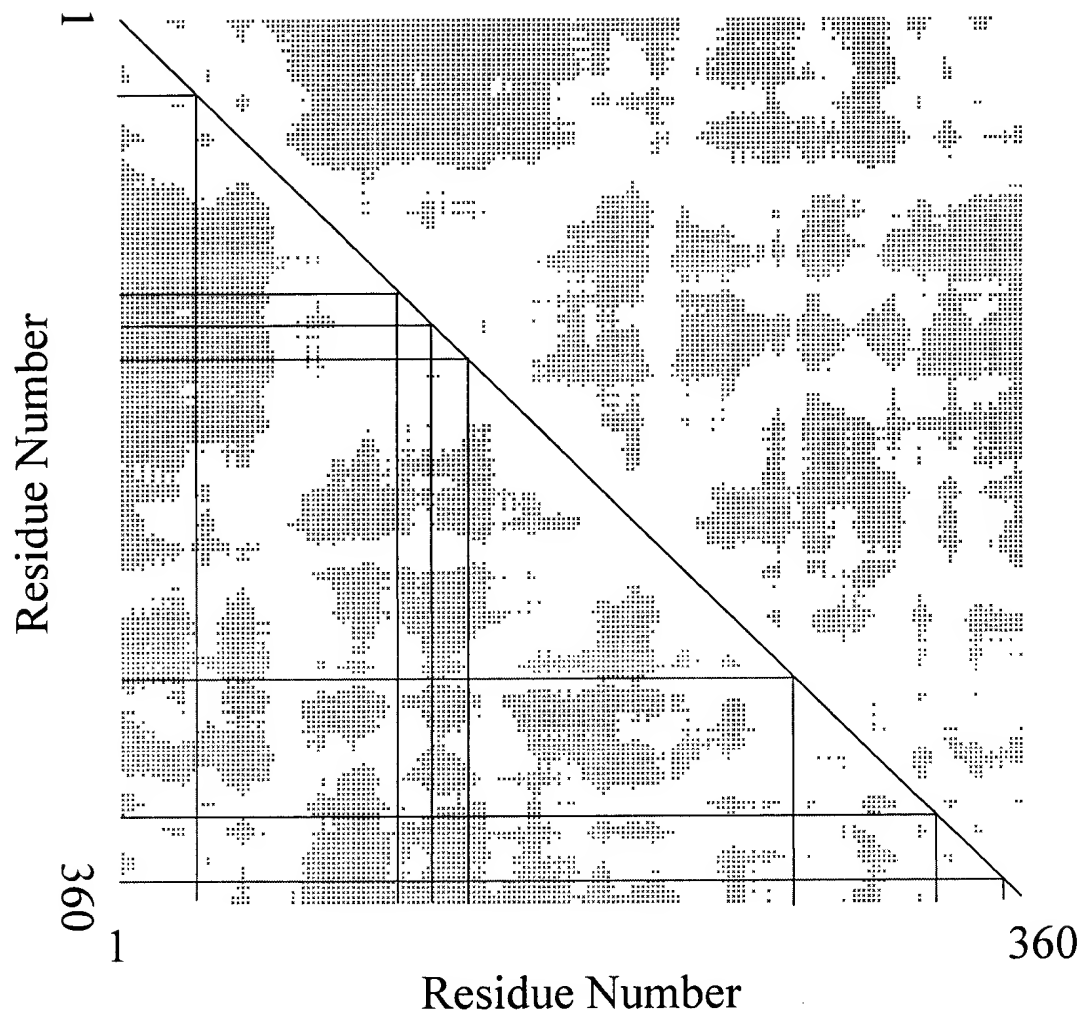


FIG. 21

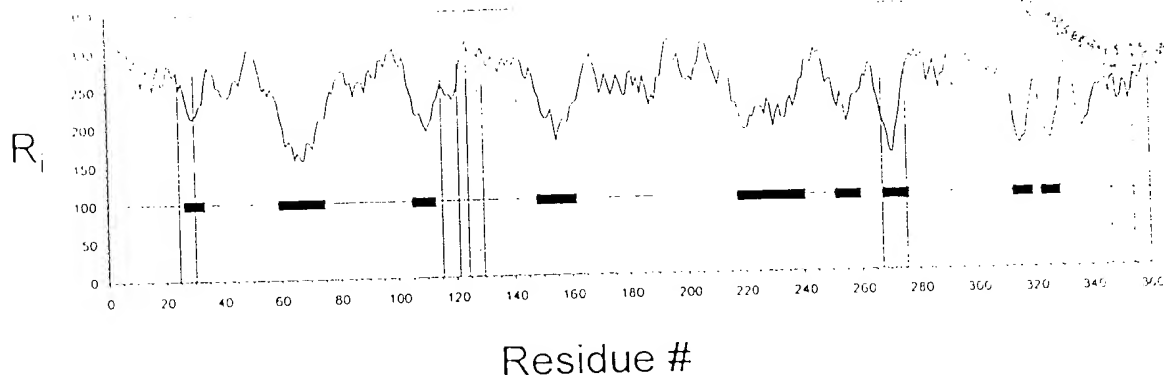


FIG. 22

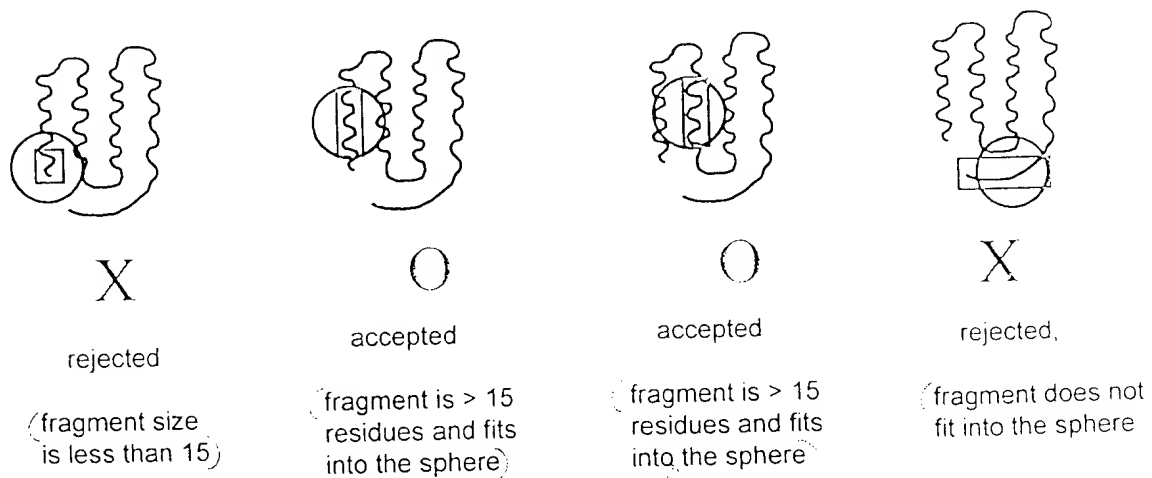
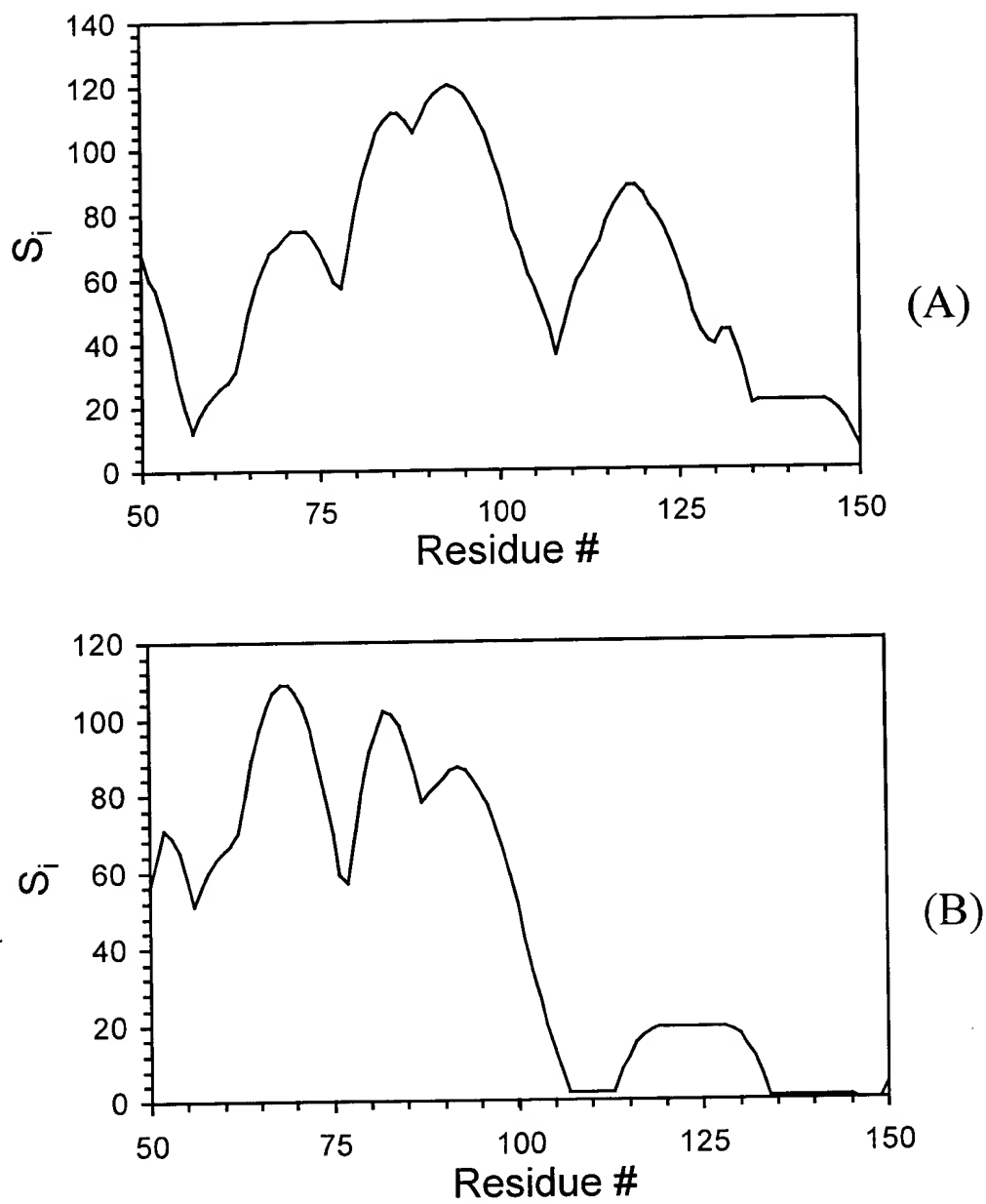


FIG. 23



**FIG. 24**

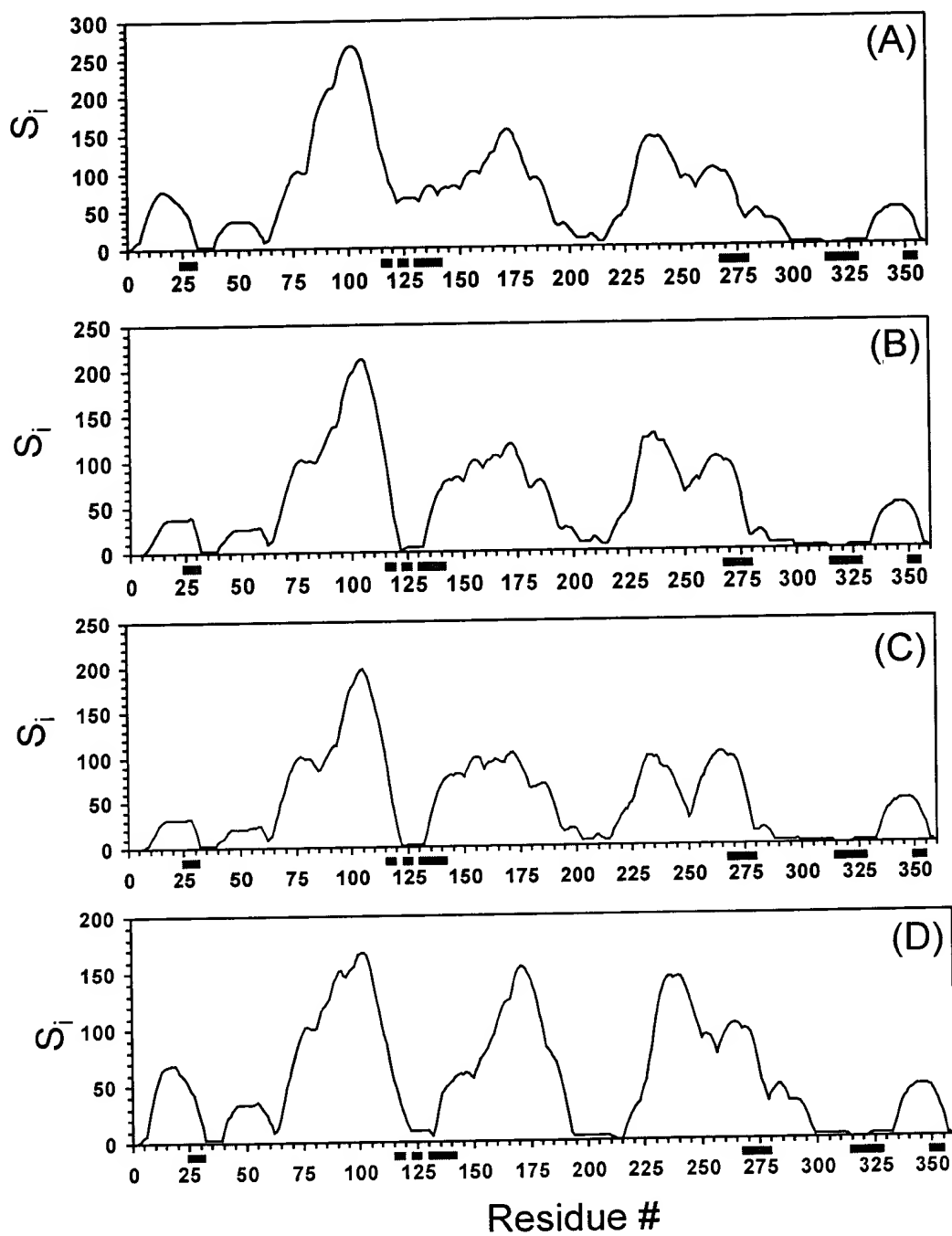


FIG. 25

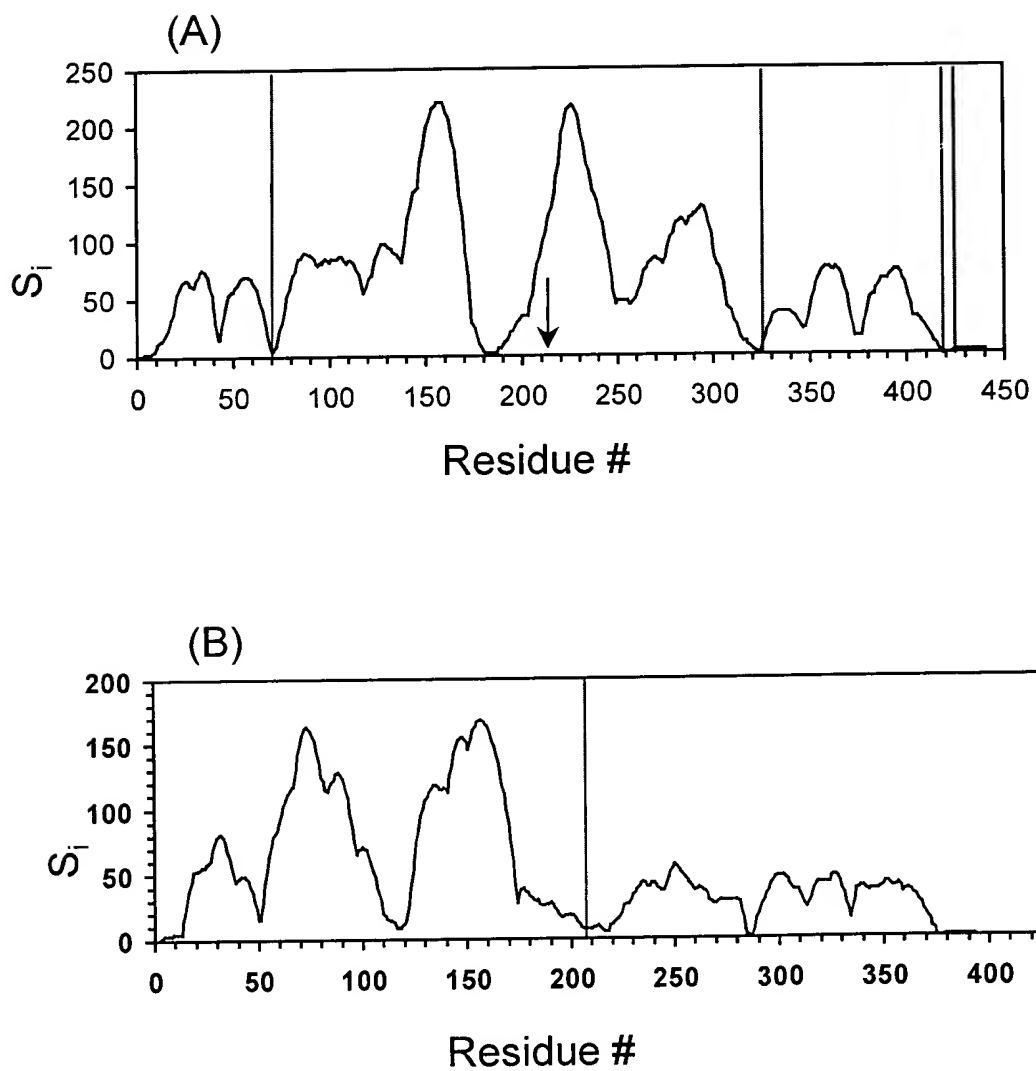
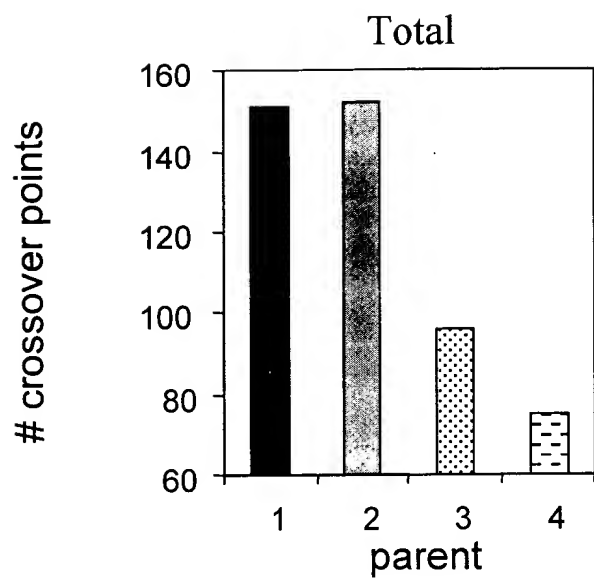
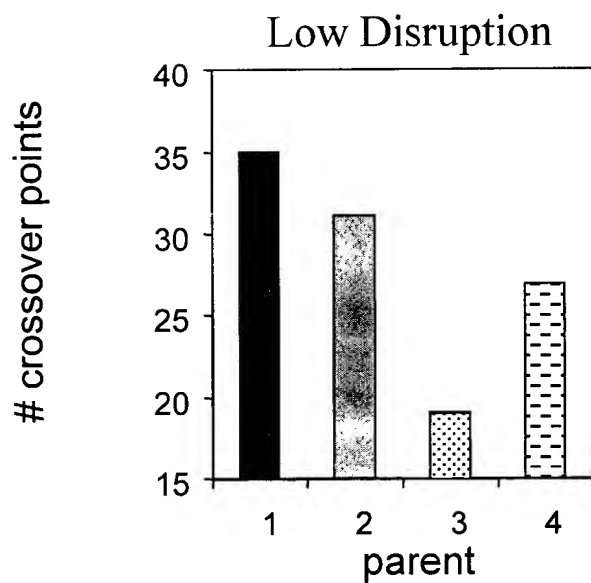


FIG. 26





**FIG. 27A**



**FIG. 27B**